

L35 ANSWER 135 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:388484 HCAPLUS Full-text
DOCUMENT NUMBER: 125:56387
TITLE: Mycelium sterilaе MS 2929, producing cyclosporins by
submerged fermentation
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PATENT ASSIGNEE(S): Galena, Czech Rep.
SOURCE: Czech Rep., 5 pp.
CODEN: CZXXED
DOCUMENT TYPE: Patent
LANGUAGE: Czech
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CZ 280553 B6 19960214 CZ 1994-2089 19940830
 PRIORITY APPLN. INFO.: CZ 1994-2089 19940830

AB M. sterila strain MS 2929, which produces cyclosporins by submerged fermn, is claimed. Thus, a suspension of the culture containing 104-105 particles/mL is inoculated into a sterilized inoculation medium and cultivated at 24° for 96 h in a rotating shaker. Afterwards, the inoculum is inoculated into a sterilized pH 6.0 production medium comprising sucrose 60, casein enzyme hydrolyzate 40, NH₄H₂PO₄ 4, (NH₄)₂SO₄ 4, KCl 1, NaCl 1, CaCl₂ 0.2, and MgSO₄·7H₂O 0.2 g/L and cultivated at 24° for 10 days in a rotating shaker. Subsequently, the cultivation medium is sedimented in a centrifuge, the supernatant is removed, and the sediment is extracted in MeOH for 10 min in an ultrasonic bath. The process yields 2.492 mg cyclosporins/mL, comprising cyclosporin A 62.0%, cyclosporin B 17.3%, and cyclosporin C 20.1%.

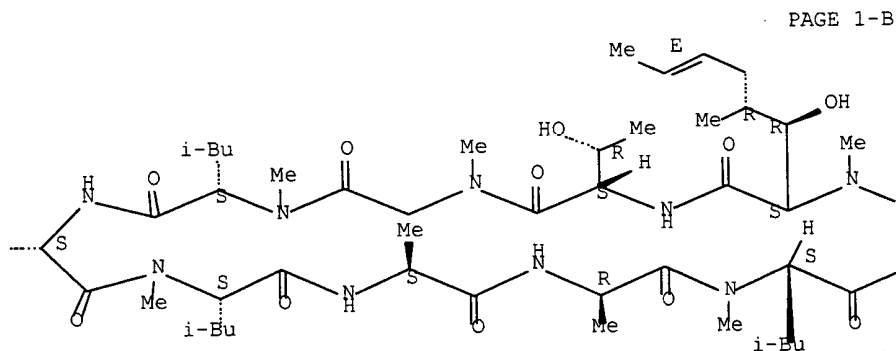
IT 59787-61-0P, Cyclosporin C 63775-95-1P, Cyclosporin B
 RL: BMF (Bioindustrial manufacture); BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)
 (Mycelium sterila strain MS 2929, producing cyclosporins by submerged fermentation)

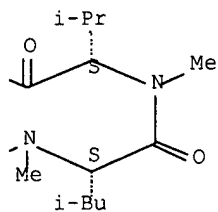
RN 59787-61-0 HCAPLUS
 CN Cyclosporin C (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

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RN 63775-95-1 HCAPLUS
 CN Cyclosporin B (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

i-Pr

